

REMARKS

Applicant respectfully requests consideration of the subject application as amended herein. This Amendment is submitted in response to the Final Office Action mailed April 15, 2005. Claims 1-21 stand rejected. In this Amendment, claims 1, 3, 14, 19 and 20 have been amended. No new matter has been added.

The Examiner has rejected claims 19-21 under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claims 19-21 have been amended to particularly point out and distinctly claim the subject matter, which Applicant regards as the invention.

Claims 1-21 are rejected under 35 U.S.C. §103(a) as being unpatentable over Brown, et al., (U.S. Patent No. 6,366,622, hereinafter “Brown”), and further in view of Bollella, (U.S. patent No. 6,466,962, hereinafter “Bollella”). As discussed below, the pending claims are patentable over the above reference.

Brown does not teach or suggest a processor having one portion to process non-real time events and another portion to process real-time events. The Examiner acknowledges that “Brown does not specifically teach the use of a processor having different areas for real time and non real time events” and cites Bollella for such teaching, contending it would be obvious to combine Bollella with Brown to produce the present invention. Applicant respectfully disagrees.

Bollella discloses a mechanism for supporting real-time computing in a general purpose operating system. However, in Bollella, this support is provided by “a device driver in the form of a multiplexor 24... [that] includes a general purpose operating system control component 26 and an RTK control component 27” (col. 5, lines 25-33). In contrast, the presently claimed invention teaches a processor having a first portion to

process real-time events and a second portion to process non real-time events, wherein the first portion includes a real-time event circuit to initiate execution of a real-time event handler. Bollella does not teach or suggest having such a processor. Thus, neither Brown nor Bollella discloses the features of the present invention that are included in the following language of claim 1:

... the processor having a first portion to process real-time events received from the controller and associated with the wireless communication protocol, and having a second portion to process non real-time events,
wherein the first portion comprises a real-time event circuit to initiate execution of a real-time event handler.

Thus, the present invention as claimed in claim 1 and its corresponding dependent claims is patentable over the cited references.

Claim 14 includes the following language:

... processing the event in real-time using a real-time event handler initiated by a real-time event circuit within the processor, the processing of the event allowing to maintain the wireless communication protocol and to perform a high-level portion of baseband processing associated with the wireless communication protocol by the processor independent of the operating system.

Similar language is also included in independent claims 19 and 20.

As discussed above, neither of the cited references teaches or suggests having a processor with a real-time event circuit to initiate a real-time event handler. Thus, the present invention as claimed in claims 14, 19 and 20, and their corresponding dependent claims, is patentable over the above references.

Applicant respectfully requests the withdrawal of the rejection under 35 U.S.C. § 103(a) and submits that the pending claims are in condition for allowance. Applicant respectfully requests reconsideration of the application and allowance of the pending claims.

If the Examiner determines the prompt allowance of these claims could be
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facilitated by a telephone conference, the Examiner is invited to contact Marina Portnova at (408) 720-8300.

DEPOSIT ACCOUNT AUTHORIZATION

Authorization is hereby given to charge our Deposit Account No. 02-2666 for any charges that may be due. Furthermore, if an extension is required, then Applicant hereby requests such extension.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

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